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                  "Ask CAS" for self-help around the clock
                  Source of Registration (SR) information in REGISTRY updated
NEWS 3 JAN 27
                  and searchable
      4 JAN 27 A new search aid, the Company Name Thesaurus, available in
NEWS
                  CA/CAplus
NEWS 5 FEB 05 German (DE) application and patent publication number format
                  changes
NEWS 6 MAR 03 MEDLINE and LMEDLINE reloaded

NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded

NEWS 8 MAR 03 FRANCEPAT now available on STN

NEWS 9 MAR 29 Pharmaceutical Substances (PS) now available on STN
NEWS 10 MAR 29 WPIFV now available on STN
NEWS 11 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA
NEWS 12 APR 26 PROMT: New display field available
NEWS 13 APR 26 IFIPAT/IFIUDB/IFICDB: New super search and display field
                  available
NEWS 14 APR 26 LITALERT now available on STN
NEWS 15 APR 27 NLDB: New search and display fields available
NEWS 16 May 10 PROUSDDR now available on STN
NEWS 17 May 19 PROUSDDR: One FREE connect hour, per account, in both May
                  and June 2004
NEWS 18 May 12 EXTEND option available in structure searching
NEWS 19 May 12 Polymer links for the POLYLINK command completed in REGISTRY
NEWS 20 May 17 FRFULL now available on STN
NEWS 21 May 27 STN User Update to be held June 7 and June 8 at the SLA 2004
                   Conference
         May 27 New UPM (Update Code Maximum) field for more efficient patent
NEWS 22
                   SDIs in Caplus
          May 27 Caplus super roles and document types searchable in REGISTRY
NEWS 23
NEWS 24 May 27 Explore APOLLIT with free connect time in June 2004
NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT
               MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
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FILE 'HOME' ENTERED AT 13:44:01 ON 15 JUN 2004

=> file reg COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 0.21 0.21

FULL ESTIMATED COST

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STRUCTURE FILE UPDATES: 14 JUN 2004 HIGHEST RN 693217-50-4 DICTIONARY FILE UPDATES: 14 JUN 2004 HIGHEST RN 693217-50-4

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at: http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading c:\program files\stnexp\queries\106845735.2

L1 STRUCTURE UPLOADED

=> d l1 L1 HAS NO ANSWERS L1 STR

G1 Cb, Cy, Hy

Patel

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss full

FULL SEARCH INITIATED 13:47:56 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 2959 TO ITERATE

100.0% PROCESSED 2959 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

L2 1 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 157.52 157.73

FULL ESTIMATED COST

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FILE COVERS 1907 - 15 Jun 2004 VOL 140 ISS 25 FILE LAST UPDATED: 14 Jun 2004 (20040614/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 12

L3 1 L2

=> d 13 fbib hitstr abs total

- L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
- AN 2002:964135 CAPLUS
- DN 138:24543
- TI Preparation of benzyloxyphenyloxobutyrates and related compounds for the treatment of metabolic disorders
- IN Sharma, Shalini; Von Borstel, Reid W.; Hodge, Kirvin L.
- PA Wellstat Therapeutics Corporation, USA
- SO PCT Int. Appl., 242 pp. CODEN: PIXXD2
- DT Patent
- LA English

FAN.CNT 1

	PATENT NO.							APPLICATION NO. DATE								
ΡΙ	WO 200	2100341 AE, A	A G, AL,	2 AM,	2002 AT,	1219 AU,	AZ,	W BA,) 20 BB,	02-U BG,	S183	88 BY,	BZ,	CA,		
			R, CU, R, HU,	•					•							
		-	r, LU,	•										•	•	•
		PL, P	r, RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL,	TJ,	TM,	TN,	TR,	TT,	TZ,
		UA, UG	G, US, M	UZ,	VN,	YU,	ZA,	ZM,	ZW,	AM,	AZ,	BY,	KG,	KZ,	MD,	RU,
	RW	: GH, G		LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AT,	BE,	CH,
			E, DK,													
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				A1 20040422				US 2003-684644 20031014								
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								US 2002-167839 A320020612								
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						U:	5 20	02-1	5783	9 A3	2002	0612				

MARPAT 138:24543 OS ΙΤ

478162-73-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of benzyloxyphenyloxobutyrates and related compds. for treatment of metabolic disorders)

478162-73-1 CAPLUS RN

CN1H-Tetrazole, 5-[[4-[(2,6-difluorophenyl)methoxy]phenyl]methyl]- (9CI) (CA INDEX NAME)

GI

$$A(CH_2)_p(NR^5)_q(CH_2)_nO$$
(CH₂)_mCOXCOO 1

AΒ Biol. active title compds. [I; n = 1, 2; m, q, p = 0, 1; R5 = alky1; R9 = alky1

H, halo, alkoxy; A = (halo-, alkyl-, perfluoromethyl-, alkoxy-, perfluoromethoxy-substituted) Ph, (Me-, Et-substituted) cycloalkyl, 5-6 membered heteroarom. ring having 1-2 N, S, O atoms; X = CH2, Q = OR1, R1 = Et; or X = CH2CR12R13, CH2CH(NHAc), Q = OR1, R1 = H, alkyl; or X = CH2CH2, Q = NR10R11; R12, R13 = H, Me; 1 of R10, R11 = H, alkyl, OH, the other = H, alkyl], were prepared Thus, 4-(2-fluorobenzyloxy)acetophenone (preparation given) in THF and DMPU was treated with a solution of Li bis(trimethylsilyl)amide at -60°; after 10 min, tert-Bu bromoacetate was added followed by stirring for an addnl. 10 min and warming to room temperature for 4 h to give tert-Bu 4-[4-(2-fluorobenzyloxy)phenyl]-4-oxobutyrate. The latter was stirred with CF3CO2H in CH2Cl2 to give 4-[4-(2-fluorobenzyloxy)phenyl]-4-oxobutyric acid. Tested I showed antidiabetic activity in a variety of tests. I are useful in treatment of various metabolic disorders such as insulin resistance syndrome, diabetes, hyperlipidemia, fatty liver disease, cachexia, obesity, atherosclerosis and arteriosclerosis.

=> log y COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY 5.19	SESSION 162.92
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY -0.69	SESSION -0.69

STN INTERNATIONAL LOGOFF AT 13:48:37 ON 15 JUN 2004

Patel

10684735.1 Page 1

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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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                 and searchable
NEWS 4 JAN 27 A new search aid, the Company Name Thesaurus, available in
                 CA/CAplus
NEWS 5 FEB 05 German (DE) application and patent publication number format
                 changes
NEWS 6 MAR 03 MEDLINE and LMEDLINE reloaded
NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 8 MAR 03 FRANCEPAT now available on STN
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                 available
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NEWS 15 APR 27 NLDB: New search and display fields available NEWS 16 May 10 PROUSDDR now available on STN
NEWS 17 May 19 PROUSDDR: One FREE connect hour, per account, in both May
                 and June 2004
NEWS 18 May 12 EXTEND option available in structure searching
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                 Conference
NEWS 22 May 27 New UPM (Update Code Maximum) field for more efficient patent
                 SDIs in CAplus
NEWS 23 May 27 CAplus super roles and document types searchable in REGISTRY
NEWS 24 May 27 Explore APOLLIT with free connect time in June 2004
NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT
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=> file reg COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 0.21 0.21

FULL ESTIMATED COST

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STRUCTURE FILE UPDATES: 14 JUN 2004 HIGHEST RN 693217-50-4 DICTIONARY FILE UPDATES: 14 JUN 2004 HIGHEST RN 693217-50-4

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

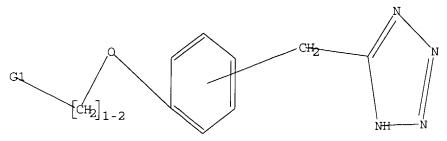
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at: http://www.cas.org/ONLINE/DBSS/registryss.html

Uploading c:\program files\stnexp\queries\10684735.1

L1 STRUCTURE UPLOADED

=> d l1 L1 HAS NO ANSWERS L1 STR



G1 Cb,Cy,Hy

10684735.1 Page 3

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss full FULL SEARCH INITIATED 13:39:10 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 20012 TO ITERATE

100.0% PROCESSED 20012 ITERATIONS SEARCH TIME: 00.00.01

32 ANSWERS

L2 32 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 164.28 164.49

FULL ESTIMATED COST

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FILE COVERS 1907 - 15 Jun 2004 VOL 140 ISS 25 FILE LAST UPDATED: 14 Jun 2004 (20040614/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 12 L4 43 L2

=> d l4 fbib hitstr abs total

L4 ANSWER 1 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2004:41315 CAPLUS

DN 140:105289

TI Cysteinyl leukotriene receptor antagonists for the treatment of respiratory diseases

IN Fujita, Manabu

PA Ono Pharmaceutical Co., Ltd., Japan

SO PCT Int. Appl., 33 pp. CODEN: PIXXD2

The invention is directed to 4H-benzo[1,4]oxazin-3-ones I and their AΒ stereoisomers, esters, salts, and prodrugs, useful as peroxisome proliferator activated receptor gamma (PPARγ) agonists or antagonists [wherein: A = (un) substituted aryl, heterocyclyl, or alkyl; Z1 = H, alkyl, aryl, heterocyclyl, OH or derivs., CO2H or derivs., NH2 or derivs., halo, etc.; Z2 = H, halo, alkyl; or Z1Z2 = atoms to form fused aromatic ring; n = 0-3; G = CO2R1, COCO2R1, CONR1R2, CF3, P(O)(OR1)(OR2), SH, tetrazolyl, certain heterocycles, etc.; E = H, alkyl, -CH2CH2OC6H4(CH2)nG; X = H2, O; R1, R2 = H, alkyl, aryl, heterocyclyl, aralkyl; or R1R2 = atoms to form 5- to 10-membered ring; with addnl. provisos]. Pharmaceutical compns. comprising the compds. and methods of treating conditions such as NIDDM and obesity are also disclosed. Over 130 specific compds. are listed, and 5 of the preferred compds. are claimed. For instance, the silyl-protected intermediate 2-[2-[[(1,1-dimethylethyl)dimethylsilyl]oxy]e thyl]-2H-1,4-benzoxazin-3(4H)-one (preparation given) underwent a sequence of N-alkylation with Br(CH2)6F, desilylation, Mitsunobu reaction with Me (2-hydroxyphenyl)acetate, and alkaline saponification, to give the preferred compound

TT

II. In an agonist intrinsic activity assay for induction of aP2 mRNA production, II gave a 64.9-fold increase over control.

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L4 ANSWER 5 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN
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AN 2002:964135 CAPLUS

DN 138:24543

TI Preparation of benzyloxyphenyloxobutyrates and related compounds for the treatment of metabolic disorders

IN Sharma, Shalini; Von Borstel, Reid W.; Hodge, Kirvin L.

PA Wellstat Therapeutics Corporation, USA

SO PCT Int. Appl., 242 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 2002100341 A2 20021219 WO 2002-US18388 20020612

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,

		PL,	PT, UG,	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL,	ΤJ,	TM,	TN.	NZ, TR, KZ,	TT.	ΤΖ.
	RW:	GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AT,	BE,	CH,
		CY,	DE,	DK,	ES,	FΙ,	FR,	GB,	GR,	ΙE,	ΙT,	LU,	MC,	ΝL,	PT,	SE,	TR,
		BF,	ВJ,	CF,	CG,	CI,	CM ,	GΑ,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD,	TG
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									US	200	2-16	7839	A32	20020	0612		

OS MARPAT 138:24543

IT 478162-73-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of benzyloxyphenyloxobutyrates and related compds. for treatment of metabolic disorders)

RN 478162-73-1 CAPLUS

1H-Tetrazole, 5-[[4-[(2,6-difluorophenyl)methoxy]phenyl]methyl]- (9CI) (CA INDEX NAME)

$$\begin{array}{c} N \\ N \\ N \\ H \end{array} \qquad \begin{array}{c} CH_2 \\ O \\ CH_2 \end{array} \qquad \begin{array}{c} F \\ F \\ \end{array}$$

GI

CN

$$A(CH_2)_p(NR^5)_q(CH_2)_nO$$
(CH₂)_mCOXCOO I

AB Biol. active title compds. [I; n = 1, 2; m, q, p = 0, 1; R5 = alkyl; R9 = H, halo, alkoxy; A = (halo-, alkyl-, perfluoromethyl-, alkoxy-, perfluoromethoxy-substituted) Ph, (Me-, Et-substituted) cycloalkyl, 5-6 membered heteroarom. ring having 1-2 N, S, O atoms; X = CH2, Q = OR1, R1 = Et; or X = CH2CR12R13, CH2CH(NHAc), Q = OR1, R1 = H, alkyl; or X = CH2CH2, Q = NR10R11; R12, R13 = H, Me; 1 of R10, R11 = H, alkyl, OH, the other = H, alkyl], were prepared Thus, 4-(2-fluorobenzyloxy)acetophenone (preparation

10684735.1

Page 11

L4 ANSWER 6 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2002:19837 CAPLUS

DN 136:350405

TI Novel 5-substituted-1H-tetrazole derivatives as potent glucose and lipid lowering agents

AU Momose, Yu.; Maekawa, Tsuyoshi; Odaka, Hiroyuki; Ikeda, Hitoshi; Sohda, Takashi

CS Medicinal Chemistry Research Laboratories II, Takeda Chemical Industries, Ltd., Chuo-ku. Osaka, 540-8645, Japan

SO Chemical & Pharmaceutical Bulletin (2002), 50(1), 100-111 CODEN: CPBTAL; ISSN: 0009-2363

PB Pharmaceutical Society of Japan

DT Journal

LA English

IT 166253-98-1P 421558-54-5P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation of oxazolylalkoxyphenylalkyltetrazoles as antihyperglycemic and antihyperlipidemic agents)

RN 166253-98-1 CAPLUS

CN lH-Tetrazole, 5-[[4-[2-(5-methyl-2-phenyl-4-oxazolyl)ethoxy]phenyl]methyl]-(9CI) (CA INDEX NAME)

$$\begin{array}{c|c} N & \text{CH}_2 & \text{CH}_2 & \text{CH}_2 \\ N & N & M \end{array}$$

RN 421558-54-5 CAPLUS

CN 1H-Tetrazole, 5-[[4-[(5-methyl-2-phenyl-4-oxazolyl)methoxy]phenyl]methyl]- (9CI) (CA INDEX NAME)

GI

$$\begin{array}{c|c} & & & & \\ & &$$

AΒ A series of 5-(4-alkoxyphenylalkyl)-1H-tetrazole derivs. containing an oxazole-based group at the alkoxy moiety was prepared; the antidiabetic and antihyperlipidemic effects of members of the series were evaluated in two genetically obese and diabetic animal models. The tetrazole compds. were prepared using the cycloaddns. of azides with the corresponding nitriles. Many of the 5-(4-alkoxyphenylalkyl)-1H-tetrazoles showed potent glucose and lipid lowering activities in KKAy mice. Methylphenyloxazolylmethoxypy ridylpropyltetrazole I had potent glucose lowering activity (ED25 = 0.0839 mg·kg-1·d-1), being 72 times more active than pioglitazone hydrochloride (ED25 = 6.0 $mg \cdot kg \cdot d-1$); in addition, I also exhibited strong antihyperlipidemic activity (ED25 = 0.0277 $mg \cdot kg - 1 \cdot d - 1)$ in Wistar fatty rats. The antidiabetic activity of I is likely related to its potent agonistic activity for peroxisome proliferator-activated receptor γ (PPAR γ) (EC50 = 6.75 nM).

RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2002:2786 CAPLUS

DN 136:37609

TI Tetrazole derivatives as hypoglycemic and hypolipidemic agents

IN Soda, Takasi; Ikeda, Hitosi; Momose, Yu

PA Takeda Chemical Industries, Ltd., Japan

SO Russ., No pp. given

CODEN: RUXXE7

DT Patent

LA Russian

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	RU 2144533	 C1	20000120	 RU 1994-43788	10041000
		C 1	20000120	RU 1994-43788	19941209

OS MARPAT 136:37609

IT 166253-98-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(tetrazole derivs. as hypoglycemic and hypolipidemic agents)

RN 166253-98-1 CAPLUS

CN 1H-Tetrazole, 5-[[4-[2-(5-methyl-2-phenyl-4-oxazolyl)ethoxy]phenyl]methyl]-(9CI) (CA INDEX NAME)